

## CLAIMS

### What is claimed is:

1. A differential audio device for applications in notebook computers, which comprises:

5 an audio controller, which outputs a single-ended right audio signal and a single-ended left audio signal;

a single-ended signal to differential signal converter, which separately converts the single-ended right audio signal and the single-ended left audio signal into differential audio signals; and

10 a differential signal to single-ended signal converter, which separately converts the differential audio signals into the single-ended right audio signal and the single-ended left audio signal.

2. The device of claim 1, wherein the differential audio signal further comprises a first differential right audio signal.

15 3. The device of claim 1, wherein the differential audio signal further comprises a second differential right audio signal.

4. The device of claim 1, wherein the differential audio signal further comprises a first differential left audio signal.

20 5. The device of claim 1, wherein the differential audio signal further comprises a second differential left audio signal.

6. The device of claim 1 further comprising a peripheral device to play the audio signal.

